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REC'D IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant(s): Yasmin Thanavala, et al.

Serial No: 09/420,695

Filing Date: October 19, 1999

(1) Transmittal Letter (in duplicate)  
(1) Information Disclosure Statement  
(1) PTO-1449 Form listing 9 references (attached)  
(1) Postcard for acknowledgment



RPP:156A US

<b>TRANSMITTAL LETTER</b> Applicant(s): Yasmin Thanavala, et al.			Attorney Docket No: RPP:156A US
Serial No: 09/420,695	Filing Date: October 19, 1999	Examiner: Unknown	Art Unit: 1651
Invention: ORAL IMMUNOLOGY USING PLANT PRODUCT CONTAINING HEPATITIS SURFACE ANTIGEN			

TO THE COMMISSIONER OF PATENTS AND TRADEMARKS:

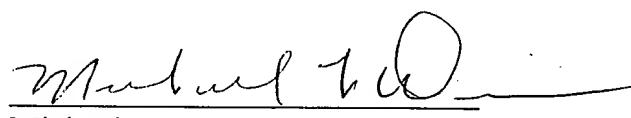
Transmitted herewith is a/an: **INFORMATION DISCLOSURE STATEMENT**

IN THE ABOVE IDENTIFIED APPLICATION.

- No additional fee is required.
- A check in the amount of \$ \_\_\_\_\_ is attached.
- Charge \$ \_\_\_\_\_ to Deposit Account No. \_\_\_\_\_  
A duplicate copy of this sheet is enclosed.
- Please charge any additional fees which may be due with respect to the accompanying papers, including those which may be due under 37 C.F.R. 1.16, 1.17, 1.18 and 1.20, or credit any overpayment to Deposit Account No. 04-1790.  
A duplicate copy of this sheet is enclosed.

Respectfully submitted,

Dated: January 25, 2000



Michael L. Dunn  
For Applicant(s)  
Registration No. 25,330  
P.O. Box 96  
Newfane, New York 14108  
Telephone: (716) 433-1661

MLD/cah  
Enclosures  
cc: M. DeLellis

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Yasmin Thanavala, et al. Art Unit: 1651

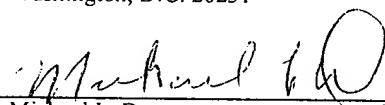
Serial No: 09/420,695

Filed: October 19, 1999

Examiner: Unknown

For: ORAL IMMUNOLOGY  
USING PLANT PRODUCT  
CONTAINING HEPATITIS  
SURFACE ANTIGEN

I certify that this Information Disclosure Statement is being deposited on January 25, 2000 with the U.S. Postal Service as first class mail addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

  
Michael L. Dunn

Registration No. 25,330

**INFORMATION DISCLOSURE STATEMENT**

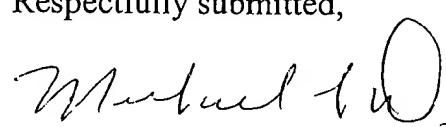
Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The following literature citations are being provided in compliance with Applicants' and their attorneys' duty of candor and good faith under 37 C.F.R. 1.56; 1.97 and 1.98. The citations are recorded on the accompanying PTO-1449 form. It is requested that the attached citations be entered and considered during further examination of this application. A copy of the references listed below are included herein. The documents cited on the attached PTO-1449 form are relevant since they relate to modified plants expressing exogenous antigens.

Respectfully submitted,

Dated: January 25, 2000

  
Michael L. Dunn  
Attorney for Applicant(s)  
Reg. No. 25,330  
P.O. Box 96  
Newfane, New York 14108  
Telephone: (716) 433-1661

MLD/cah

**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

ATTY DOCKET NO.:  
RPP:156A US

SERIAL NO.:  
09/420,695

APPLICANT(S):  
Yasmin Thanavala, et al.

FILING DATE:  
October 19, 1999

GROUP:  
1614

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,484,719	1/16/96	D. Lam, et al.	435	172.3	
	5,612,487	3/18/97	D. Lam, et al.	800	205	
	5,654,184	8/5/97	R. Curtiss III, et al.	435	172.3	
	5,679,880	10/21/97	R. Curtiss III, et al.	800	205	
	5,686,079	11/11/97	R. Curtiss III, et al.	424	234.1	
	5,914,123	6/22/99	C. Arntzen, et al.	424	439	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

		H. Mason, et al., "Expression of hepatitis B surface antigen in transgenic plants", Proc. Natl. Acad. Sci. USA, Vol 89, pp. 11745-11749, December, 1992
		Y. Thanavala, et al., "Immunogenicity of transgenic plant-derived hepatitis B surface antigen", Proc. Natl. Acad. Sci. USA, Vol 92, pp. 3358-3361, April 1995
		"The Women in the Lab Coats...Breaking New Ground", Roswellness, Vol. 2, No. 1, pp. 12-13, 1999

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.